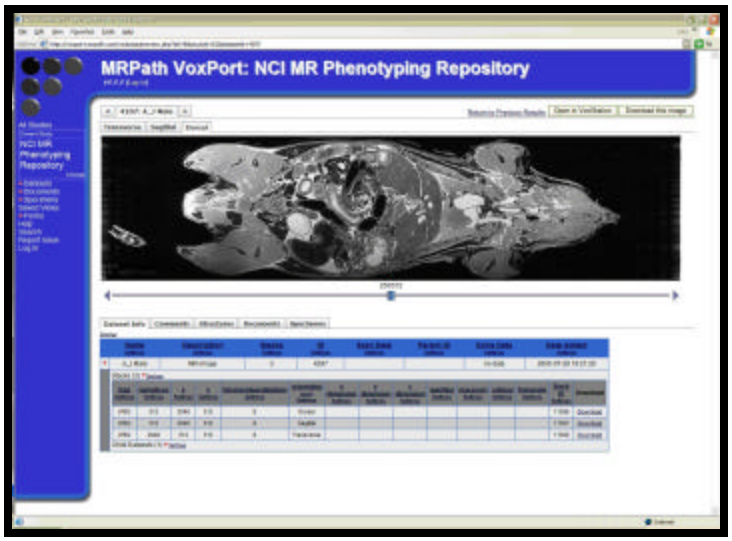
MMHCC
the Mouse Models
of Human Cancers Consortium

# MMHCC Newsletter October 2006

## MouseLine

**NCI Magnetic Resonance Phenotyping Repository**




MRPath (Durham, N.C.) has announced the release of NCI MR Phenotyping Repository for whole mouse histology. MR Histology (MRH) is based on the same principles as clinical MRI. Through a series of technical advances MRPath has increased the spatial resolution by more than 300,000 times that commonly found in the clinical arena. The resulting 3D image arrays allow one to characterize the entire mouse at a spatial resolution < 50 microns. MRH provides four complimentary advantages to conventional pathology:

**MRH** is nondestructive. The tissue can be processed for conventional sectioning after the MR scan. Since there is no dehydration, very accurate linear and volumetric measurements can be made.
**MRH** employs unique contrast mechanisms that highlight subtle soft tissue pathology.
**MRH** is 3 dimensional. The isotropic images can viewed along any plane without loss of resolution.
**MRH** is inherently digital. This allows researchers and their collaborators world wide access to the same high resolution images.

As we scan new strains, knockouts and models, they will be made available to the entire scientific community via VoxStation our sophisticated online archive and display software. Researchers are invited to browse a collection of twenty whole mouse datasets. Users may navigate dorsal, transverse and sagittal planes. Moreover, when opened in VoxStation the isotropic nature of the datasets enable three dimensional synchronous navigation. (click “View the MRPath NCI MR Phenotyping Repository“) on the MRPath page, http://www.mrpath.com/

If you are interested in having your model scanned or for additional information contact:
Dr. Andrew Joseph, ajoseph@mrpath.com, (919) 806-0081 extension 320.


# Meetings

**October 25 - 28, 2006**
**AACR Special Conference - Mouse Models of Cancer**
Cambridge, Massachusetts
Meeting information: http://www.aacr.org/default.aspx?p=6654

**November 7 - 10, 2006**
**EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics**
Prague, Czech Republic
Meeting information: http://www.fecs.be/emc.asp?pageId=973&Type=P

**November 12 – 16, 2006**
**20th International Mouse Genome Conference 2006**
Charleston, South Carolina
Meeting information: http://www.in-conference.org.uk/IMGS/

**November 12 - 15, 2006**
**Frontiers in Cancer Prevention Research**
Boston, Massachusetts
Meeting information: http://www.aacr.org/default.aspx?p=7034

**November 29 – December 2, 2006**
**AACR Special Conference - Tumor Immunology: An Integrated Perspective**
Miami, Florida
Meeting information: http://www.aacr.org/default.aspx?p=6914

# Notices and Funding Opportunities

**Announcing 2007 NIH Regional Seminars in Program Funding and Grants Administration**
NOT-OD-06-097
National Institutes of Health
http://grants.nih.gov/grants/guide/notice-files/NOT-OD-06-097.html

**Announcing Changes in Availability of the NIA Aged Rodent Colony**
NOT-AG-06-012
National Institute on Aging
http://grants.nih.gov/grants/guide/notice-files/NOT-AG-06-012.html

# Notices and Funding Opportunities cont.

**OLAW Guidance on PHS Policy on Humane Care and Use of Laboratory Animals Provided in Frequently Asked Questions**
NOT-OD-06-101
National Institutes of Health
http://grants.nih.gov/grants/guide/notice-files/NOT-OD-06-101.html

**California IACUC 101 Workshop in September**
NOT-OD-06-102
National Institutes of Health
http://grants.nih.gov/grants/guide/notice-files/NOT-OD-06-102.html

**Immunology of Biofilms (R01 and R21)**
PA-06-537 and PA-06-538
National Institute of Dental and Craniofacial Research
http://grants.nih.gov/grants/guide/pa-files/PA-06-538.html
http://grants.nih.gov/grants/guide/pa-files/PA-06-537.html

**Mechanisms, Models, Measurement, & Management in Pain Research (R21, R03, and R01)**
PA-06-542, PA-06-543, and PA-06-544
http://grants.nih.gov/grants/guide/pa-files/PA-06-542.html
http://grants.nih.gov/grants/guide/pa-files/PA-06-543.html
http://grants.nih.gov/grants/guide/pa-files/PA-06-544.html

**Knockout Mouse Project (KOMP) Repository (U42)**
RFA-RR-06-005
Multiple Institutes
http://grants.nih.gov/grants/guide/rfa-files/RFA-RR-06-005.html

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# Repository News – Last Call

The following strains will be maintained as live colonies until the end of November 2006. After this date, they will be supplied as cryopreserved embryos. If you foresee using one of these strains in the near future, order now! Please be aware that all necessary paperwork (order form, MTA, etc.) needs to be completed and received by the Repository before the end of November 2006 in order to receive live mice.

1. FVB/N-Tg(Fabp1-Cre)1Jig
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XD8
2. B6.129-*Apc* $^{tm1Rak}$
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XA1
3. B6.D2-Tg(RIP1-Tag2)2Dh
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XD5
4. STOCK *Brca2* $^{tm1Brn}$
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XB9



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